



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,119	03/11/2004	Masami Maruyama	MARU3003/EM	4679

23364 7590 05/06/2005

BACON & THOMAS, PLLC
625 SLATERS LANE
FOURTH FLOOR
ALEXANDRIA, VA 22314

EXAMINER

NASRI, JAVAID H

ART UNIT	PAPER NUMBER
----------	--------------

2839

DATE MAILED: 05/06/2005

:

.

:

.

:

.

EX

Office Action Summary	Application No.	Applicant(s)	
	10/797,119	MARUYAMA ET AL.	
	Examiner	Art Unit	
	Javaid Nasri	2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 March 2004 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3/11/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Drawings

1. Figure 11 and 12 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance. Refer to description of figures.

Claim Objections

2. Claims 1-5 are objected to because of the following informalities:
- a) In claim 1, line 11, "the resin mold body" lacks antecedent base.
 - b) In claim 5, line 8, "the supporting frame" lacks antecedent base.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Art Unit: 2839

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by admitted prior art figures 11 and 12.

Admitted prior art figures 11 and 12 discloses, **for claim 1**, A mold pin for cable terminal comprising press- fitting pins (3) press-fitted into through-holes for conduction, wherein soldered portions (34) for fixing conductive lines (1, 2) protruding from connecting ends of the cable are formed at base ends of the press-fitting pins, the soldered portions form notch portions (53) at proper positions of edge portions and are formed in such a manner that the conductive lines of the connecting ends of the cable are inserted into the notch portions and the notch portions fills with the conductive lines to an appropriate thickness, and the soldered portions are buried inside the resin mold body, **for claim 2**, the conductive lines buried inside the resin mold body are single signal lines or a signal line (2) and a shield line (1), and at least the shield line is fixed to each of the press-fitting pins in the soldered portions (34), **for claim 3**, in the notch portions of the soldered portions for fixing the shield line of cable, the edge portions thereof are cut out in the same direction as twisted shield lines, **for claim 4**, the soldered portions for fixing the signal line of the cable to the press-fitting pins are soldered in such a manner that the edge portions thereof are cut out the same direction as twisted signal lines, the signal line is inserted into the notch portion and the notch portions fills with the signal line to an appropriate thickness, **for claim 5**, the cable is a one-core coaxial cable, a plurality of the press-fitting pins (3) is provided parallel to each other being spaced from each other so as to be separable from an end opposite to the base end, the shield line and the signal line are inserted into the notch portion to be soldered in each of the press-fitting pins that is supported by the supporting frame.

Art Unit: 2839

5. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Okuyama et al (5,618,202).

Okuyama et al discloses, **for claim 1**, A mold pin for cable terminal comprising press- fitting pins (22, 24 or 26, see col. 5, lines 13-25) press-fitted into through-holes for conduction, wherein soldered portions (22b) for fixing conductive lines (94) protruding from connecting ends of the cable are formed at base ends of the press-fitting pins, the soldered portions form notch portions (22b, see figure 3) at proper positions of edge portions and are formed in such a manner that the conductive lines of the connecting ends of the cable are inserted into the notch portions and the notch portions fills with the conductive lines to an appropriate thickness, and the soldered portions are buried inside the resin mold body (see figure 1), **for claim 2**, the conductive lines buried inside the resin mold body are single signal lines.

Note: Claims 3-5 are not applicable because, according to claim 2, the conductive lines buried inside the resin mold body are single signal lines **OR a signal line and a shield line**. In the rejection of claim 2, only the signal lines are considered, therefore claim 3 is only applicable if the other option **OR a signal line and a shield line** is considered. Claims 3-5 are dependent on claim 2.

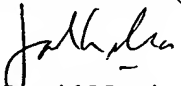
Contact

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

Art Unit: 2839

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Javaid Nasri
Primary Examiner
Art Unit 2839

JN
Jhn
May 1, 2005